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January 31, 2005

AIR MAIL

NDS Technologies Israel Limited  
Har Hotzvim, P.O. Box 23012  
Jerusalem 91235, Israel

Attention: David Zviel

Dear David:

RE: Vigal SHAPIRO, et al.  
(NDS LIMITED)  
U.S. Patent Appln. 10/516,487  
Your Ref.: P-121/US  
Our Ref.: U 015505-9

Thank you for your letter of January 12, 2005.

We enclose a copy of the Information Disclosure Statement we prepared and filed, as instructed.

Very truly yours,

Steven I. Wallach

SIW:os

Practitioner's Docket No. U 015505-9

10/516487

**IN THE UNITED STATES DESIGNATED OFFICE (DO/US)**

PCT/IL03/00456 1 June 2003 4 June 2002  
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED

PREVENTION OF TAMPERING IN ELECTRONIC DEVICES  
TITLE OF INVENTION

Yigal SHAPIRO Reuven ELBAUM  
APPLICANT(S) FOR DO/US

**Mail Stop PCT**  
**Commissioner for Patents**  
**P. O. Box 1450**  
**Alexandria, VA 22313-1450**

**ATTENTION: DO/US**

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. 1.97(b))**

**CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10\***

*(When using Express Mail, the Express Mail label number is mandatory;  
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

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**37 C.F.R. 1.8(a)**

**37 C.F.R. 1.10\***

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**TRANSMISSION**

- ☐ transmitted by facsimile to the Patent and Trademark Office, to (703) 872-9306

Geraldine Marti  
Signature

Date: January 31, 2005

Geraldine Marti  
(type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

**NOTE:** 37 C.F.R. 1.98(b):

- (1) Each U.S. patent listed in an information disclosure statement must be identified by inventor, patent number, and issue date.
- (2) Each U.S. patent application published listed in an information disclosure statement shall be identified by applicant, patent application publication number, and publication date.
- (3) Each U.S. application listed in an information disclosure statement must be identified by the inventor, application number, and filing date.
- (4) Each foreign patent or published foreign patent application listed in an information disclosure statement must be identified by the country or patent office which issued the patent or published the application, an appropriate document number, and the publication date indicated on the patent or published application.
- (5) Each publication listed in an information disclosure statement must be identified by publisher, author (if any), title, relevant pages of the publication, date, and place of publication.

**WARNING:** No extension of time can be had under 37 C.F.R. § 1.36 (a) or (b) for filing an IDS. 37 C.F.R. § 1.97(f).

**NOTE:** The "filing date of a national application" under 37 C.F.R. 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark office, the filing is defined in 37 C.F.R. 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 C.F.R. 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. 37 C.F.R. 1.97(b)(2).

## **IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. 1.97(b).

**NOTE:** "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."

**NOTE:** "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 C.F.R. 1.8, or Express Mail certificate under 37 C.F.R. 1.10. An office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**NOTE:** "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**NOTE:** "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 C.F.R. 1.142) or just a requirement for additional fees to have a claim considered (37 C.F.R. 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**WARNING:** "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 C.F.R. 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63). But see § 103(b) and (c), limited suspension of action in a continued prosecution application (CPA) filed under § 1.53(d) and in a request for continued examination (RCE) under § 1.114.

If a fee is required, please charge deposit account 12-0425.

  
SIGNATURE OF PRACTITIONER

Reg. No.

Steven I. Wallach, 35402, (212) 708-1884  
(type or print name of practitioner)

Tel. No.: ( )

\_\_\_\_\_  
P.O. Address

Customer No.: 00140

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c/o Ladas & Parry LLP  
26 West 61<sup>st</sup> Street  
New York, N.Y. 10023

Practitioner's Docket No. U 015505-9

**IN THE UNITED STATES DESIGNATED OFFICE (DO/US)**

PCT/IL03/00456 1 June 2003 4 June 2002  
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE  
PRIORITY DATE CLAIMED

PREVENTION OF TAMPERING IN ELECTRONIC DEVICES  
TITLE OF INVENTION

Yigal SHAPIRO Reuven ELBAUM  
APPLICANT(S) FOR DO/US

**Mail Stop PCT**  
**Commissioner for Patents**  
**P. O. Box 1450**  
**Alexandria, VA 22313-1450**

**ATTENTION: DO/US**

**INFORMATION DISCLOSURE STATEMENT**

We draw the attention of the Examiner to the attached English-language version of an Action or International-type Search Report from a foreign office in respect of counterpart International Application No. PCT/8L03/00456 that indicates the degree of relevance found by the foreign office. The Search Report makes consideration of any non-English art required. MPEP 609.

**CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10\***  
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**37 C.F.R. 1.8(a)**

**37 C.F.R. 1.10\***

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☐ transmitted by facsimile to the Patent and Trademark Office, to (703) 872-9306

Signature

Date: January 31, 2005

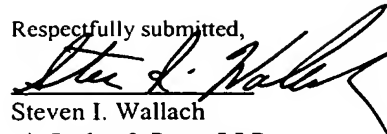
Geraldine Marti

(type or print name of person certifying)

**\*WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).  
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

Form PTO-1449 is also attached with reference copies.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Steven I. Wallach", written over a horizontal line.

Steven I. Wallach  
c/o Ladas & Parry LLP  
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New York, New York 10023  
Reg. No. 35402  
Tel. No. (212) 708-1884

FORM PTO-1449		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.  <b>U 015505-9</b>		SERIAL NO.  <b>10/516,487</b>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				APPLICANT  <b>YIGAL SHAPIRO, ET AL.</b>			
				FILING DATE		GROUP	

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	5,053,992	10/1991	GILBERG, ET AL.	
	AB	6,291,839	09/2001	LESTER	
	AC	5,533,123	07/1996	FORCE, ET AL.	
	AD	5,998,858	12/1999	LITTLE, ET AL.	
	AE	6,060,773	05/2000	BAN, ET AL.	
	AF				

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AG	99/35554	07/1999	WO		
	AH	01/43191	06/2001	WO		
	AI	01/50530	07/2001	WO		
	AJ	1 128 248	08/2001	EP	X	
	AK	1 178 529	02/2002	EP		

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
	AL	English Translation of Abstract of EP 1 128 248 dated August 29, 2001 and English Computer-Generated Translation of the description of EP 1 128 248
	AM	"Understanding and Specifying Comprehensive Security For High-Value / High - Risk Smart Card - Based Systems" <i>Schlumberger</i> , Copyright 1999, p. 3 - p. 14
	AN	Kommerling, O., et al. "Design Principles for Tamper-Resistant Smartcard Processors" <i>USENIX Workshop on Smartcard Technology</i> , (1999)
	AO	Samyde, D., et al. "On a New Way to Read Data from Memory" <i>Computer Laboratory and Universite catholique de Louvain</i>
	AP	Skorobogatov, S., et al. "Optical Fault Induction Attacks" <i>University of Cambridge, Computer Laboratory</i>
	AQ	Govindavajhala, S., et al. "Using Memory Errors to Attack a Virtual Machine" <i>IEEE Symposium on Security and Privacy</i> (2003) p. 1 - p. 12

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	